



## Region 7

Iowa  
Kansas  
Missouri  
Nebraska

Site	<u>Herculaneum Lead</u>
ID #	<u>MD1006266373</u>
Break	<u>13.5</u>
Other	<u>A717</u> <u>9/03</u>

## Update Number 6

September 2003

### Herculaneum Lead Smelter Site Herculaneum, Missouri

The U S Environmental Protection Agency (EPA) has produced this Update to keep you abreast of site activities cleanup progress and address your concerns Our goal is to provide an overview of the site the problems found the actions we have taken to address your concerns as well as future plans

#### Missouri Department of Health and Senior Services

#### **Exposure Investigation for Arsenic and Cadmium Summer 2003**

The Agency for Toxic Substances and Disease Registry (ATSDR) and the Missouri Department of Health and Senior Services (DHSS) collected the last round of urine and vegetable samples for the Arsenic and Cadmium Exposure Investigation (EI) in Herculaneum in August This EI will measure cadmium and arsenic levels in urine of residents and determine the cadmium arsenic and lead concentrations in locally grown vegetables

Samples will be analyzed and individual confidential results will be sent to each participant Also a report summarizing the review of the data is planned for release in early 2004 The results of this exposure investigation cannot be used to predict the future occurrence of disease However the results will enable the health agencies to determine if public health actions are needed to reduce exposure and may assist in determining a focus for future studies

#### What's New?

##### ✓ **We Have A New Look**

Our goal is to continue to provide you with site updates and milestones but in an easier to read format Let us know what you think

##### ✓ **Updating Mailing List**

Please call EPA s toll-free number 1-800-223-0425 if you want to be added or removed from the Herculaneum Lead Smelter mailing list

##### ✓ **Herculaneum Community Advisory Group Update**

The Herculaneum Community Advisory Group s second Update is enclosed with this issue

40105507



SUPERFUND RECORDS

If you have any questions please call Lori Harris-Franklin (DHSS) toll free at 1-866-628-9891 or Dr. Ketna Mistry (ATSDR) at toll-free 1-888-422-8737

### **MS and ALS Prevalence Study Please Let Us Know**

As part of a study looking at the occurrences of Multiple Sclerosis (MS) or Amyotrophic Lateral Sclerosis (ALS or Lou Gehrig's Disease) in Herculaneum and all of Jefferson County information is being collected from Herculaneum residents

Dr. Turabelidze's staff (DHSS Office of Epidemiology) are in the process of reviewing patient records at several hospitals in the St. Louis and Jefferson County areas. This initial review includes verifying the diagnosis of MS/ALS, checking addresses to assure the patient has been a resident of Jefferson County and reviewing the time/length of residency.

This study, which began in June 2003, is expected to take three years to complete. If you or someone you know in your community was diagnosed with MS or ALS and has lived in Herculaneum at anytime in the past five years, please call Dennis Diehl at the Jefferson County Health Department (636) 789-3372 or Dr. George Turabelidze at DHSS Office of Epidemiology 1-573-751-6128.

### **2002 Herculaneum Blood Lead Screening Results Health Consultation**

The Missouri Department of Health and Senior Services (DHSS) in cooperation with the federal Agency for Toxic Substances and Disease Registry (ATSDR) released a health consultation containing the results of blood lead testing conducted in Herculaneum, Missouri in 2002. This document includes a summary of the data, the Department's conclusions based on its review of the data, and a statement of recommendations.

Highlights of this document were previously discussed during Herculaneum CAG meetings in the spring 2003 Herculaneum Update 5 newsletter and in an April 2003 news release. If you would like a copy of the health consultation, contact the DHSS Section for Environmental Public Health at 1-573-751-6160 or toll-free 1-866-628-9891. It is also available on our web site at

[www.dhss.state.mo.us/PreventionAndWellness/EnvironHealth.html](http://www.dhss.state.mo.us/PreventionAndWellness/EnvironHealth.html)

### **Upcoming Events**

The Missouri Department of Health and Senior Services (DHSS) is in the process of planning the following upcoming events in Herculaneum. More information about these events will be distributed in the near future.

**Blood Lead Testing Event** – The DHSS along with the Jefferson County Health Department will be conducting a community-wide blood lead testing event for Herculaneum residents in early October 2003. Children through adults are welcome.

**Census** – Due to the changes in Herculaneum, the DHSS felt it was time to conduct another census to update our residential information. The census will be performed on residential households east of Hwy 61/67 in November 2003. This information will help us conduct more accurate statistical analyses on data and provide more up-to-date contact information for sending information out to the community.

## **U S Environmental Protection Agency**

### **Cleanup Progress**

Yard soil replacements have continued through the summer due to delays caused by wet spring weather. High quality replacement soil has been approved by the County Agricultural Extension Office and is being used for backfill at all residential excavation sites.

Yards will be reseeded and fertilized as needed this fall. A total of 198 residential properties have had surface soils replaced since October 2001. Participation in the yard soil replacement program is the right thing to do to protect yourself, your family, and your community. Free cleaning of the inside of your home is also being offered and is recommended as an action to reduce the risk of exposure to lead.

### **No Yard Recontamination**

EPA's random monitoring for lead levels in recently replaced yard soils is showing no recontamination. EPA will continue to collect samples every three months to check for lead recontamination.

### **Materials Transportation and Handling**

Doe Run agreed to improvements in transporting concentrate. Planned improvements include:

- washing all concentrate trucks prior to leaving the smelter facility
- unloading concentrate trucks directly into railcars and
- modified street cleaning procedures in the town and within the facility

## **Continued Compliance with Ambient Air Standard**

Air monitoring results confirmed that the National Ambient Air Quality Standard for lead (1.5 micrograms per cubic meter of air averaged over a calendar quarter) was met during the second quarter of the year. The area has now met the lead standard for 12 consecutive months.

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## HERCULANEUM LEAD SMELTER SITE CONTACT LIST

If you have questions, please contact

### Health Information

#### Agency for Toxic Substances and Disease Registry

Denise Jordan-Izaguirre  
1-913-551-1310

### Site Information/Monitoring Programs

#### EPA Region 7

Bruce Morrison  
Toll-free 1-800-223-0425  
Jim Silver  
636-475-3926

### Missouri Department of Health and Senior Services

Gale Carlson  
Toll-free 1-866-628-9891  
email [carlsg@dhss.state.mo.us](mailto:carlsg@dhss.state.mo.us)

### Site Information

#### Missouri Department of Natural Resources

Dave Mosby  
1-573-751-8629  
Toll-free 1-800-361-4827

### Jefferson County Health Department

636-789-3372

### Herculaneum Lead Smelter Site Community Advisory Group

636-475-3310

### Primary Focus Group Contact

Hattie Thomas  
EPA Region 7  
901 N 5<sup>th</sup> Street  
Kansas City, Kansas 66101  
1-913-551-7003  
Toll-free 1-800-223-0425  
email [thomas.hattie@epa.gov](mailto:thomas.hattie@epa.gov)

### Herculaneum Community Revitalization Initiative

Doug Sarno (Marasco Newton)  
1-703-837-1197 or  
[djsarno@theperspectivesgroup.com](mailto:djsarno@theperspectivesgroup.com)

Loretta Hiner (Marasco Newton)  
636-464-8112 or [vhiner@hotmail.com](mailto:vhiner@hotmail.com)

Bob Feild, EPA Region 7  
1-913-551-7697 or [feild10be1t@epa.gov](mailto:feild10be1t@epa.gov)

Kerry Herndon, EPA Region 7  
1-913-551-7286 or [herndon.kerry@epa.gov](mailto:herndon.kerry@epa.gov)

# Herculaneum Community Advisory Group

## Quarterly Update

(May - August 2003)

*Purpose of CAG* Provides residents with a forum to express views decide community priorities make decisions and to hear reports from agencies involved in lead contamination clean-up

*Meetings* CAG holds Action Group Meetings every 2<sup>nd</sup> Tuesday of the month - 7 00 p m at City Hall CAG holds its large general meeting (when Agencies make their reports) every 3<sup>rd</sup> Tuesday at 7 00 p m usually in the Music Room of Herculaneum High School

*Contacts* If anyone has any questions or would like to become involved please call one of the members of the CAG Core Leadership Team

Jim Kasten (636) 475-4336

Gerty O'Leary (636) 475-3310

Catherine Malugen (636) 475-3665

Leslie Warden (636) 479-3889

Tim Myers (636) 475-3230

## Things to Know

- ♦ At the May CAG meeting Community convener Doug Sarno presented a summary of findings from the community surveys A written report is available by contacting Miranda Duncan at (314) 516-6040 On September 4<sup>th</sup> Doug will facilitate a community meeting to determine direction for community revitalization
- ♦ CAG Impact of Future Buy-out priority focus group continued working on creating a not for profit organization (Herculaneum Today and Tomorrow) Draft by-laws were presented at the past three CAG meetings revised and adopted on August 19<sup>th</sup> Its purpose 'shall be to provide citizen oversight and positive action in order to reduce health and environmental risks from past lead and other heavy metal contamination to improve the community's health to protect the environment and to enhance the quality of future life for Herculaneum residents " The function of the CAG remains the same as it has been for the last few years The CAG's work is complemented by the not for profit organization which can seek grant funding for projects the community determines it wants

- ◆ CAG initiated a procedure to track any ongoing problems residents are encountering The list is reviewed at each large CAG meeting to determine progress Tim Myers is chairing this initiative People should continue to fill out complaint forms available at City Hall and speak directly to agency staff at the general CAG meetings Tim will assist with problems not being resolved
- ◆ One such example Tim is working on is the cost of watering lawns that have been remediated EPA and Doe Run are negotiating *possible* reimbursement for two months of water bills
- ◆ Property owners in the buy-out zone reporting problems with the appraisal process prompted DNR to present a refresher on the voluntary property buy-out plan Watch for announcements of meetings that address your concerns
- ◆ Some other current issues being discussed
- ◆ EPA is considering a third alternative proposed by Doe Run for slag pile remediation
- ◆ It has been identified that sewage sludge contains lead arsenic and cadmium creating a disposal problem for the sewer district
- ◆ EPA's Interior Dust Focus Group is determining new standards for homes in Herculaneum
- ◆ Three Core Leadership Team members participated in setting protocol for the lead arsenic and cadmium health study The next step is for the health agencies to establish the specific research design to be used
- ◆ Residents Jack Warden and Tim Myers and Jim Lanzafame of Doe Run are participating in a work group coordinated by Leanne Tippet of DNR Air Pollution Control Program to review the lead and SO2 monitoring networks in Herculaneum

### Ways to Get Involved

- ◆ Herculaneum Today and Tomorrow Start-up (formerly called Impact of Buy-out) Priority Focus Group meets every 4<sup>th</sup> Tuesday of the month at 7 00 p m - 196 Dunklin Call Jo Ann Thompson (636) 479-3331
- ◆ Report problems with yard remediation to Tim Myers (314) 330-8893
- ◆ To participate in Slag Pile Priority Focus Group call Larry OLeary (636) 475-3310
- ◆ Attend the CAG Action Group and General meetings held every month
- ◆ If appropriate for you have your yard remediated and your home cleaned